

ABSTRACT OF THE DISCLOSURE

A stereomicroscope is capable of interchangeably fitting low- and high-magnification objective lenses. A transmission illumination unit thereof includes a light source, a shield element for cutting off partially light beam, first and second condenser lenses for converging the light beam passing the shield element, and a mechanism for selecting one of the first and second condenser lens and disposing the selected lens on the optical axis. The first condenser lens sets a position conjugate to an entrance pupil of the low-magnification objective lens in a position of the shield element. The second condenser lens sets a position conjugate to an entrance pupil of the high-magnification objective lens in the position of the shield element.